

Device for corneal surgery

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Cited documents:

US5312394 (A)

WO9309738 (A1)

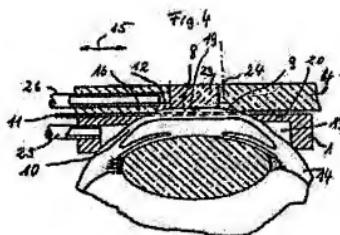
US5133726 (A)

DE3433581 (A1)

US4674503 (A)

Abstract of EP 0771553 (A1)

Surgery is carried out on a cornea using an arrangement of a base ring (1) which can be fixed in place by vacuum produced in the chamber (13) formed between the ring and the eye (14) and mounts a frame (4) and support (2) with a guide (16) for an oscillating blade (11). The blade drive comprises drive shafts (5) and drive motor (32) for the support and drive shaft (6) and drive motor (33) for the blade. A movement stop (24) is provided at a point at which the lamellar piece of cornea separated from the cornea remains connected by a hinge formed from cornea tissue. The piece can then be folded sideways away from eye tissue underneath. On the return stroke of the support, the eye movement is halted, while the base ring preferably remains in position.



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